

Barcode High-Throughput Run

**Best-in-Class Sanger Sequencing Service in Plates
Plasmid Isolation or PCR Purification Included
Fast Delivery of Results from Monday until Saturday**

Proven Quality

Microsynth has over twenty-five years experience in the field of DNA Sanger sequencing. We are proud to supply numerous top European research groups in academia, governments and industry with our broad and high quality Sanger sequencing service portfolio. Microsynth is certified according to ISO 9001:2015. If required, Microsynth can even deliver ISO17025 accredited or GMP compliant sequencing.

Your Benefits Include

Read length up to 1'100 bases – **Standard vector primers (>90) but also specific primers are added free of charge**– up to 12 different specific primers per plate possible – **Plasmid isolation from *E. coli* or PCR purification free of charge** - Convenient

Convenient & Fast Service

Drop your plates in one of Microsynth's numerous drop boxes and receive your results before 8 am of the next business day upon sample receipt. Login into your account on our webshop to find the closest Microsynth sample drop box. If there is no drop box in your proximity, you receive 1 free express shipment label per prepaid sequencing plate.

We are Here to Help!

Do you have any questions regarding your Sanger sequencing results and/or questions how you can optimize your sequencing results? Then contact our Sanger sequencing customer support (info@microsynth.seqlab.de) and we will do our best to support you.

service: easy ordering and overnight production of specific sequencing primers – Prepaid barcode labels have no expiration date and can be used by multiple researchers) - **Direct access to support by experienced academic staff** (no waiting on a record-

ed-message hotline) – **All results are available for download**, or if you wish via email (FASTA files and ab1-chromatograms); **chromatograms can be viewed and edited.**

Complementary Services:

- Shipment of isolated plasmids back to customer's lab
- Colony picking from agar plates into high throughput 96-well plates and generation of glycerol stocks
- Higher-scale plasmid isolation (Midi/Maxi) from selected clones

How to Order?

Enter our webshop via www.microsynth.seqlab.de

Click on "**Order Labels**" in the green Sanger Sequencing area

Click on "**Barcode High-Throughput**" and follow the further instructions

Need More Information?

Call us at +49 551 37 000 10 or

Email us at info@microsynth.seqlab.de



Step-by-Step Protocol for Sample Preparation

High Flexibility Regarding Use and Storage of Sequencing Primers
Extensive and Professional Troubleshooting
Easy-to-Use Online Shop with Plenty of Useful Tools

Easy Sample Preparation

1. **(Optional)** Extract the plasmid using commercial kits or purify your PCR product with a suitable protocol (e.g. columns).
2. **Pipette 480 - 1200 ng of the plasmid DNA or 18 ng/100 bp of the PCR product** (e.g. 72 ng for a 400 bp product) into a well of a 96-well plate and fill the well **to a total volume of 10 µl**.
3. Add either 30 pmol of your sequencing primer or ask Microsynth to add your desired primer*.
4. Login to our webshop at www.microsynth.ch and click on **Plate Sequencing** in the green Sanger Sequencing area. Then click on **Fill Order Form** for our Barcode High-Throughput Run. Please follow the further instructions in the webshop.
5. Finally put your sample(s) into a transparent plastic bag and drop it into the closest sample drop box. Alternatively, use our free labels for courier shipment.
6. Your sequencing results can be downloaded on the webshop or sent to you by email within the next business day (even on Saturdays).

** If you want us to add your specific primer, just send us your primer and it will be stored for 6 months (up to 12 months if registered at the custom list on the webshop). Furthermore, you can select from a list of >90 standard primers provided by Microsynth for free.*

A Growing Number of Collection Boxes

Microsynth and its subsidiaries (Microsynth Austria and Microsynth Seqlab) have established a dense network of sample drop boxes in Switzerland, Austria and Germany

over the last years. **We are currently extending our free, fast and convenient pick-up service to many other European countries.** If your lab or institute has a larger sequenc-

ing demand and yet no drop box in its proximity, please contact us in order to discuss the establishment of a collection box close to you.

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Please contact customer support or your sales representative
info@microsynth.seqlab.de
Phone: +49 551 37 000 15